English

1 Installation Instructions

1. Disconnect all mains power from the computer at the plug.
2. Remove the case/cover from your PC system.
3. Unplug all power connectors from the old power supply.
4. Remove the four screws from the rear of the case that hold the old power supply to the chassis, then remove the old power supply from the case.
5. Screw the four screws into the rear of the case that hold the FSP power supply to the chassis.
6. Reconnect all power connectors from the FSP power supply to the computer components. The plugs will only fit one way, so if they don't fit, do not try to force them, just try them the other way round.
7. Ensure no screws remain loose inside the casing as these could potentially short-circuit your motherboard.
8. Replace the case/cover.

2 Electrical Specification

A. Input Voltage :

(1) Model : EVEREST 85PLUS 500 : 100VAC-240VAC(50Hz-60Hz)
(2) Model : EVEREST 85PLUS 600 : 100VAC-240VAC(50Hz-60Hz)
(3) Model : EVEREST 85PLUS 700 : 100VAC-240VAC(50Hz-60Hz)
(4) Model : EVEREST 85PLUS 800 : 100VAC-240VAC(50Hz-60Hz)

B. Output Voltage :

(1) Model : EVEREST 85PLUS 500

OUTPUT VOLTAGE	MINIMUM LOAD	NORMAL LOAD	MAXIMUM LOAD
+3,3V	0,0A	18,0A	30,0A
+5V	0.5A	15.0A	30.0A
+12V1	0,1A	9,0A	18,0A
+12V2	0.0A	9.0A	18.0A
+12V3	0,0A	9,0A	18,0A
+12V4	0,0A	9,0A	18,0A
-12V	0.0A	0.4A	0.8A
+5Vsb	0,0A	1,5A	3,0A

(1) +3.3V & +5V maximum output is 140W
(2) Total power is 500 Watts

(2) Model : EVEREST 85PLUS 600

OUTPUT VOLTAGE	MINIMUM LOAD	NORMAL LOAD	MAXIMUM LOAD
+3.3V	0.0A	18.0A	30.0A
+5V	0.5A	15.0A	30.0A
+12V1	0,1A	9,0A	18,0A
+12V2	0.0A	9.0A	18.0A
+12V3	0,0A	9,0A	18,0A
+12V4	0,0A	9,0A	18,0A
-12V	0,0A	0,4A	0,8A
+5Vsb	0,0A	1,5A	3,0A

(1) +3.3V & +5V maximum output is 140W
(2) Total power is 600 Watts

(3) Model : EVEREST 85PLUS 700

OUTPUT VOLTAGE	MINIMUM LOAD	NORMAL LOAD	MAXIMUM LOAD
+3.3V	0.0A	18.0A	30.0A
+5V	0.5A	15.0A	30.0A
+12V1	0.1A	9.0A	18.0A
+12V2	0.0A	9.0A	18.0A
+12V3	0.0A	9.0A	18.0A
+12V4	0.0A	9.0A	18.0A
-12V	0.0A	0.4A	0.8A
+5Vsb	0.1A	1.5A	3.0A

(1) +3.3V & +5V maximum output is 140W
(2) Total power is 700 Watts

(4) Model : EVEREST 85PLUS 800

OUTPUT VOLTAGE	MINIMUM LOAD	NORMAL LOAD	MAXIMUM LOAD
+3.3V	0,0A	15,0A	30,0A
+5V	0,5A	15,0A	30,0A
+12V1	0,1A	10,0A	20,0A
+12V2	0,0A	10,0A	25,0A
+12V3	0,0A	10,0A	20,0A
+12V4	0,0A	10,0A	25,0A
-12V	0,0A	0,5A	1,0A
+5Vsb	0,0A	1,5A	3,0A

(1) +3.3V & +5V maximum output is 175W
(2) Total power is 800 Watts

All specifications are subject to change without notice.

3 Protection

A. Over-Voltage Protection

Voltage Source	Protection Point
+3.3V	3.76V-4.5V
+5V	5.6V-7.0V
+12V1~+12V4	13.0V-16.5V

B.OVER CURRENT PROTECTION

OUTPUT VOLTAGE	Max. over current limit
+3.3V	60A
+5V	48A
+12V1	30A
+12V2	35A
+12V3	30A
+12V4	35A

C. Over-Current Protection

There will be protection from an output over-current event. The power supply may shut down from such an event and require power-on restart.

D. SHORT CIRCUIT PROTECTION

Output short circuit is defined to be a short circuit load of less than 0.1 ohm.
In the event of an output short circuit condition on +3.3V, +5V or +12V output, the power supply will shut down and latch off without damage to the power supply.
The power supply shall return to normal operation after the short circuit has been removed and the power switch has been turned off for no more than 2 seconds.
In the event of an output short circuit condition on –12V output, the power supply will not be damaged. The power supply shall return to normal operation as soon as the short circuit has been removed. and the power switch has been turned off for no more than 2 seconds.

4 Safety and EMI

The power supply unit have been certified by the following safety and EMI certifications：CE, CB, cUL, FCC, VDE

5 Warning

(1) Do not open the top cover of the power supply unit !
(2) Please avoid exposing the power supply to high humidity.

6 Trouble shooting

If the power supply unit fails to function properly, please check the following:
► Is the AC input plugged in properly and electrical outlet switched on?
► Check that all the output connectors are connected properly to all the components.
► Disconnection the power cord from the unit can reset the power supply unit.

However, if the power supply still does not function properly, please contact your original vendor or retailer for repair or replacement.

Please refer to the FSP website for further information：
www.FSPLifeStyle.com